

| Classroom/Lab Location Chart | | |
|---|-----------------------|--------------|
| Classrooms | | |
| Room No. | Building | Floor |
| C01, C02, C03 | Old Academic Building | Ground Floor |
| C11, C12, C13 | Old Academic Building | First Floor |
| C21, C22, C23, C24 | Old Academic Building | Second Floor |
| A006, A007 | R&D Block | Ground Floor |
| A106, B105 | R&D Block | First Floor |
| C101, C102 | Lecture Hall Complex | First Floor |
| C201, C208, C209, C210, C211, C212, C213, C214, C215, C216 | Lecture Hall Complex | Second Floor |
| Labs | | |
| 301-306 | Lecture Hall Complex | Third Floor |
| 315-321 | Lecture Hall Complex | Third Floor |

Course Offering Winter 2020 Semester

| S.No. | Course Code | Course Name | Instructor | Acronym | Credits | On Offer for | Also Open for | Anti-Requisite |
|---------------------------|---------------|--|--|---------|---------|---|--|---------------------|
| 1st Year Courses | | | | | | | | |
| 1 | BIO1xx | Foundations of Biology | Ganesh Bagler | FOB | 4 | CSB | | |
| 2 | CSE102 | Data Structures & Algorithms | Subhabrata Samajder+Arun Balaji, Nupur (TF), Bhawna (TF) | DSA | 4 | UG 1st Year All Programs | | |
| 3 | CSE112 | Computer Organization | Naveen Prakash(V)+ Prabhakar Mateti(V), Shreepriya (TF), Ishita Bajaj (TF) | CO | 4 | UG 1st Year All Programs | | |
| 4 | CSE1xx | Introduction to Intelligent Systems(New) | C Anantram(V) | IIS | 4 | CSAI | | |
| 5 | DES101 | Design Drawing and Visualization | Indrani De Parkar(V)+ Vibha Narula Gupta(G) | DDV | 4 | CSD | | |
| 6 | ECE113 | Basic Electronics | Vivek Bohara + Sanat Biswas, Prashant Ranjan, Piyush Varshney (TF) | BE | 4 | CSE+CSAM+ECE | 2nd Yr CSB | |
| 7 | ECO223 | Money and Banking(New) | Kiriti Kanjilal | MB | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| 8 | MTH201 | Probability & Statistics | Acushla Saraswat + Sanjit kaul | P&S | 4 | UG 1st Year All Programs | | |
| 9 | SOC101 | Introduction to Sociology and Anthropology | Paro Mishra | ISA | 4 | CSSS | | SOC201 |
| 10 | SOC205 | Anthropology and Social Media | Swati Mantri(V) | ASM | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSSS SSH Elective | Rest Students |
| 11 | SOC209 | Consumer Culture and Society(New) | Swati Mantri(V) | CCS | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| 12 | SOC302 | Urban Sociology(New) | Smriti Singh | US | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSSS SSH Elective | Rest Students |
| 13 | SOC210 | Sociological Theory (New) | Gayatri Nair | ST1 | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSSS SSH Elective | Rest Students |
| 14 | SOC211 | Science, Technology and Society(New) | Shireen Mirza | STS | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSSS SSH Elective | Rest Students |
| 15 | SSH101 | Critical Thinking and Readings in Social Sciences | Aasim Khan | CTRSS | 4 | CSSS | | |
| 16 | SSH215 | Nation and her Narratives(New) | Payel C Mukherjee(V) | NN | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| 17 | SSH222 | Theory and Practice of Engineering Ethics | Shweta Singh(V) | TPEE | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| 18 | SSH224 | Computer, Information Ethics and Society(New) | Shweta Singh(V) | CIES | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| 19 | SSH261 | Democracy in India: Principles and Practices(New) | Praveen Priyadarshi | DIPP | 4 | SSH Elective for all branches except CSSS | 2nd Yr CSD+CSSS Elective | |
| II nd Year Courses | | | | | | | | |
| 20 | BIO213 | Introduction to Quantitative Biology | GPS Raghava | IQB | 4 | CSB,CSE+ECE+CSAM Sci/Bio Elective, CSSS Elective | | |
| 21 | CSE231 | Operating Systems | Piyus Kedia, Shreepriya (TF) | OS | 4 | CSE+CSD | | |
| 22 | CSE202 | Fundamentals of Database Management Systems | Mukesh Mohania+Md Shad Akhtar, Ankita (TF) | DBMS | 4 | CSE+CSD+CSSS+CSB+CSAM Elective | Remarks-CSD,CSAM and Senior B.Tech students to attend in Section B, that will be taught by a new Prof. | |
| 23 | ECE230 | Fields and Waves | Sayak Bhattacharya | F&W | 4 | ECE | | |
| 24 | ECE214 | Integrated Electronics | Sujay Deb, Piyush Varshney (TF) | IE | 4 | ECE | | |
| 25 | CSE222 | Algorithm Design & Analysis | Syamantak Das , Ankita (TF) | ADA | 4 | CSE+CSAM | | |
| 26 | CSE2xx | Algorithm Design & Analysis(B) | Debarika Sengupta, Nupur (TF), Bhawna Gupta (TF) | ADA | 4 | CSD+CSSS+CSB | | |
| 27 | ECE240 | Principles of Communication Systems | Ranjitha P | PCS | 4 | ECE+CSE Sci/Bio Elective | | |
| 28 | CSE322 | Theory of Computation | Debajyoti Bera | TOC | 4 | CSAM+CSE,CSD Math Elective+CSSS Elective | Rest Students | |
| 29 | DES204 | Human Computer Interaction | Grace Eden | HCI | 4 | CSD | | |
| 30 | MTH300 | Introduction to Mathematical logic | Sankha Basu | IML | 4 | CSE Math Elective, ECE+CSAM Sci/Bio Elective+CSSS Elective | Rest Students | |
| 31 | MTH204 | Maths IV - ODE/PDE | Brijesh Eshpuniyani | M-IV | 4 | CSAM+ECE,CSE Math Elective+CSD Math Elective | | |
| 32 | MTH212 | Abstract Algebra I | Sneha Chaubey | AA-I | 4 | CSAM, CSE Math Elective | | MTH302(Algebra) |
| 33 | MTH310 | Graph Theory | Samaresh Chatterji(V) | GT | 4 | CSE Math Elective, ECE+CSAM Sci/Bio Elective, CSSS Elective | Rest Students | |
| 34 | BIO2xx | Practical Bioinformatics(New) | Tavpritesh Sethi | PB | 4 | CSB | | |
| Electives | | | | | | | | |
| 35 | BIO531 | Introduction to Mathematical Biology | Sriram K | IMB | 4 | UG/PG, M.Tech(CB) Core | | BIO303/BIO503 |
| 36 | BIO543 | Big Datamining in Healthcare | G P S Raghava | BDMH | 4 | UG/PG | | |
| 37 | BIO541 | Data Sciences for Genomics | Vibhor Kumar | DSG | 4 | UG/PG | | |
| 38 | BIO534 | Introduction to Computational Neuroscience | Sriram K | ICN | 4 | UG/PG | | BIO505 |
| 39 | BIO5xx | Computer Aided Drug Design(New) | Arjun Ray | CADD | 4 | UG/PG | | |
| 40 | BIO545 | Biostatistics(New) | Gaurav Ahuja | BST | 4 | UG/PG | | |
| 41 | CSE342/CSE542 | Statistical Machine Learning | A V Subramanyam | SML | 4 | UG/PG | | Pattern Recognition |
| 42 | CSE352/CSE552 | Security Engineering | Sambuddho Chakravarty | SE | 4 | UG/PG | | |
| 43 | CSE350/CSE550 | Network Security | B N Jain(V) | NS | 4 | UG/PG | | |
| 44 | CSE502 | Foundations of Parallel Programming | Vivek Kumar | FPP | 4 | UG/PG | | |
| 45 | CSE508 | Information Retrieval | Tanmoy Chakraborty | IR | 4 | UG/PG | | |
| 46 | CSE529 | Approximation Algorithms | Syamantak Das | AAG | 4 | UG/PG | | |
| 47 | CSE538/ECE538 | Wireless Networks | Mukulika Maity | WN | 4 | UG/PG | | |
| 48 | CSE563 | Multimedia Computing and Applications | Rajiv Rathn Shah | MCA | 4 | UG/PG | | |
| 49 | CSE581 | Systems Analysis, Design and Requirements Engineering | Rahul Mohanani | SADRE | 4 | UG/PG | | |
| 50 | CSE559 | Mining Large Networks(New) | Tanmoy Chakraborty | MLN | 4 | UG/PG | | |
| 51 | CSE606 | Data Warehousing | Naveen Prakash(V) | DW | 4 | UG/PG | | |
| 52 | CSE609 | Statistical Computation | Vibhor Kumar | SC | 4 | UG/PG | | |
| 53 | CSE622 | Introduction to Quantum Computing | Debajyoti Bera | IQC | 4 | UG/PG | | |
| 54 | CSE632 | Semantic Web | Raghava Mutharaju | Sweb | 4 | UG/PG | | |
| 55 | CSE641 | Deep Learning | Saket Anand | DL | 4 | UG/PG | | |
| 56 | CSE648 | Privacy and Security in Online Social Media | Ponnurangam Kumaraguru | PSOSM | 4 | UG/PG | | |
| 57 | CSE651A | Topics in Adaptive Security(New) | Arun Balaji | TAS | 2 | UG/PG | | |

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|-----|----------------|--|---|-------|---|------------------------------|---------------|--|
| 58 | CSE5xx | Big Data Analytics | Vikram Goyal | BDA | 4 | UG/PG | | |
| 59 | CSE5xx | Affective Computing(New) | Jainendra Shukla | AFC | 4 | UG/PG | | |
| 60 | CSE5xx | Distributed Computing(New) | Prabhaker Mateti(V) | DIC | 4 | UG/PG | | |
| 61 | CSE5xx | Decision Procedures(New) | Rahul Purandare | DP | 4 | UG/PG | | |
| 62 | CSE5xx | Network Science | Ganesh Bagler | Nsci | 4 | UG/PG | | BIO571 |
| 63 | CSE5xx | Edge AI(New) | Mahesh Babu A K (G) | EAI | 4 | UG/PG | | |
| 64 | CSE5xx | Special Topics in Computer Vision(New) | Koteswar Rao Jerripotthula | SPCV | 2 | UG/PG | | Offered Post Mid Sem |
| 65 | DES302 | Animation & Graphics | Manohar Khushalani (V) | A&G | 4 | UG | | |
| 66 | DESS12 | Game Design and Development | Aman Samuel(G) | GDD | 4 | UG/PG | | |
| 67 | DESS13 | Wearable Applications, Research, Devices, Interactions | Aman Parnami | WARDI | 4 | UG | | |
| 68 | DESSxx | Introduction to 3D Character Animation(New) | Anoop Ratn(V) | I3D | 4 | UG/PG | | |
| 69 | DESSxx | Sketching Communication Narrative(New) | Indrani De Parkar(V)+ Vibha Narula Gupta(V) | SCN | 4 | UG/PG | | |
| 70 | DESSxx | Advanced Topics in Human Centered Computing(New) | Pushpendra Singh | ATHCC | 4 | UG/PG | | |
| 71 | DESSxx | Introduction to 2D Animation(New) | Anoop Ratn(V) | I2D | 4 | UG/PG | | |
| 72 | ECE318/ECE518 | Solid State Devices | G.S. Visweswaran(V) | SSD | 4 | UG/PG | | |
| 73 | ECE321/ECE251 | RF Circuit Design | Sudhanshu Shekhar Jamuar | RFGD | 4 | UG/PG | | |
| 74 | ECE431/ECE631 | Antenna Theory and Design | Shobha Sundaram | ATD | 4 | UG/PG | | |
| 75 | ECE432/ECE632 | Radar Systems | Shobha Sundaram | RS | 4 | UG/PG | | |
| 76 | ECE452/ECE552 | Statistical Signal Processing | Pravesh Biyani | SSP | 4 | UG/PG | | |
| 77 | ECE513 | VLSI Design Flow | Sneh Saurabh | VDF | 4 | UG/PG | | |
| 78 | ECE533 | Satellite Navigation and Sensor Fusion | Sanat K Biswas | SNSF | 4 | UG/PG | | |
| 79 | ECE534 | Optical Communication Systems | Anand Srivastava | OCS | 4 | UG/PG | | |
| 80 | ECE537 | Wireless Communication: Evolution from 3G to 5G | Vivek Bohara | WC | 4 | UG/PG | | |
| 81 | ECE557/CSE5SRU | Speech Recognition and Understanding | Pravesh Biyani | SRU | 4 | UG/PG | | |
| 82 | CSE561 | Probabilistic Graphical Models | Anubha Gupta | PGM | 4 | UG/PG | | |
| 83 | ECE573 | Advanced Embedded Logic Design | Sumit Darak, Prashant Ranjan (TF) | AELD | 4 | UG/PG | | |
| 84 | ECE577 | Machine Learning Techniques for Real-time Control | Sayan Basu Roy | MLTRC | 4 | UG/PG | | |
| 85 | ECE611 | Memory Design and Testing | Anuj Grover | MDT | 4 | UG/PG | | |
| 86 | ECE612 | Mixed Signal Design | G.S. Visweswaran(V) | MSD | 4 | UG/PG | | |
| 87 | ECE5xx | Modeling and Analysis of Random 5G Networks | Gourab Ghatak | MA5G | 4 | UG/PG | | |
| 88 | ECE5xx | Verification and High-Level Synthesis of VLSI Designs(New) | Sumit Mediratta(V) | VHL | 4 | UG/PG | | |
| 89 | ECE5xx | Low Voltage Analog Circuit Design(New) | Sudhanshu Shekhar Jamuar | LVACD | 4 | UG/PG | | |
| 90 | ECO101 | Microeconomics | Souvik Dutta | ME | 4 | 2nd Yr CSSS,CSD SSH Elective | UG | |
| 91 | ECO221 | Econometrics I | Gaurav Arora | E1 | 4 | 2nd Yr CSSS,CSD SSH Elective | UG | ECO321 |
| 92 | ECO324/ECO524 | Spatial Statistics and Spatial Econometrics(New) | Gaurav Arora | SSSE | 4 | 2nd Yr CSSS,CSD SSH Elective | Rest Students | |
| 93 | ECO332 | Valuation and Portfolio Management | Pankaj Vajpayee(V) | VPM | 4 | 2nd Yr CSSS,CSD SSH Elective | UG | FIN402-Valuation and Portfolio Management |
| 94 | ENG599s | Research Methods | Payel C Mukherjee(V) | RM | 2 | PG | | |
| 95 | MGT311 | Emerging Issues in IT and Management | Sanjiva Dubey(G) | EIITM | 4 | UG | | |
| 96 | MTH3xx | Convex Optimization(New) | Rakesh Chaturvedi | COP | 4 | 2nd Yr CSSS,CSD SSH Elective | UG | |
| 97 | MTH343/MTH543 | Introduction to Dynamical Systems | Shilpak Banerjee | IDS | 4 | UG/PG | | |
| 98 | MTH372 | Statistical Inference | Monika Arora | SI | 4 | CSAM Core | Rest Students | Statistical Computation |
| 99 | MTH374/MTH574 | Linear Optimization | Rajiv Raman | LO | 4 | UG/PG | | |
| 100 | MTH507 | Computability Theory(New) | Sankha Basu | CMT | 4 | UG/PG | | |
| 101 | MTH510 | Advanced Linear Algebra | Samrith Ram | ALA | 4 | UG/PG | | |
| 102 | MTH513 | Abstract Algebra-II | Anuradha Sharma | AAII | 4 | UG/PG | | |
| 103 | MTH516 | Analytic Number Theory | Debika Banerjee | ANT | 4 | UG/PG | | |
| 104 | MTH542 | Introduction to Functional Analysis | Ashish Kumar Pandey | IFA | 4 | UG/PG | | |
| 105 | MTH571 | Integral Transforms and their applications | Sarthok Sircar | ITA | 4 | UG/PG | | |
| 106 | MTH598 | Numerical Partial Differential Equations | Kaushik Kalyanaraman | NPDE | 4 | UG/PG | | MTH570-Numerical Solutions in Differential Equations |
| 107 | MTH514 | Coding Theory(New) | Anuradha Sharma | COT | 4 | UG/PG | | |
| 108 | MTH517 | Combinatorial Optimization(New) | Rajiv Raman | CMO | 4 | UG/PG | | |
| 109 | MTH544 | Calculus in R^n(New) | Kaushik Kalyanaraman | CRN | 4 | UG/PG | | |
| 110 | MTH550 | Introduction to PDE(New) | Brijesh Eshpuniyani(V) | IPDE | 4 | UG/PG | | |
| 111 | MTH563 | Differential Geometry(New) | Acushla Sarswat(V) | DG | 4 | UG/PG | | |
| 112 | PSY301 | Cognitive Psychology | Venkata Ratandeeep Suri | CP | 4 | 2nd Yr CSSS SSH Elective | UG | Introduction to Cognitive Psychology |
| 113 | PSY302 | Social Psychology(New) | Venkata Ratandeeep Suri | SP | 4 | 2nd Yr CSSS SSH Elective | UG | |
| 114 | PSY305 | Attention and Perception(New) | Sonia Baloni Ray | AP | 4 | 2nd Yr CSSS SSH Elective | UG | |
| 115 | PSY306 | Learning and Memory(New) | Mirnimoy Charabarty | LM | 4 | 2nd Yr CSSS SSH Elective | UG | |
| 116 | SOC207 | Information Technology and Society | Amrit Srinivasan(V) | ITS | 4 | 2nd Yr CSSS,CSD SSH Elective | UG | HSS212/HSS101 |
| 117 | SSH311 | Advanced Writing(New) | Payel C Mukherjee(V) | AW | 2 | 2nd Yr CSSS SSH Elective | UG | |
| 118 | SSH321 | Applied Ethics | Manohar Kumar | AE | 4 | 2nd Yr CSSS SSH Elective | UG | |
| 119 | SSH322 | Philosophy of Technology(New) | Nishad Patnaik | PT | 4 | 2nd Yr CSSS SSH Elective | UG | |
| 120 | SSH361 | Comparative Politics in Digital Era(New) | Aasim Khan | CPDE | 4 | 2nd Yr CSSS SSH Elective | UG | |

| Online Courses | | | | | | | | |
|----------------|-------------|--|------------|---------|---|---------|--|--|
| S.No. | Course Code | Online Course Name | Instructor | Credits | Course Link | Remarks | | |
| 1 | CSE999B | Introduction to Soft Computing | | 1 | https://swayam.gov.in/nd1_noc20_cs17/preview | | | |
| 2 | CSE999B2 | Introduction to Blockchain Technology and Applications | | 1 | https://swayam.gov.in/nd1_noc20_cs01/preview | | | |
| 3 | CSE999A | Introduction to internet of things | | 2 | https://swayam.gov.in/nd1_noc20_cs22/preview | | | |

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|---|---------|--|
| 4 | ECE999B | Linear Dynamical Systems |
| 5 | ECE999A | Fuzzy Sets, Logic and Systems & Applications |
| 6 | SSH999B | Emotional Intelligence |
| 7 | MGT999B | Behavioral and Personal Finance |
| 8 | ESC999A | Rocket Propulsion |
| 9 | ESC999B | Plastic Waste Management |

Gourab Ghatak

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|---|---|
| 1 | https://swayam.gov.in/nd1_noc20_ee47/preview |
| 2 | https://swayam.gov.in/nd1_noc20_ee03/preview |
| 1 | https://swayam.gov.in/nd1_noc20_hs13/preview |
| 1 | https://swayam.gov.in/nd1_noc20_mg33/preview |
| 2 | https://swayam.gov.in/nd1_noc20_ae02/preview |
| 1 | https://swayam.gov.in/nd1_noc20_ce13/preview |

1. For these courses, registration on SWAYAM portal and appearing for exams conducted by SWAYAM is mandatory.
2. PG students can take Online Courses only as Independent Study.

B.Tech 1st Year(CSE+ECE+CSAI) - Sec A- Winter Semester 2020

| Day | 8:30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-01 | 01-01.30 | 01.30-02 | 02-02.30 | 02.30-03 | 03-03.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 |
|-------|--------|------------|--|---------------|----------|-----------|---|---|----------|----------|---------------------------|--|----------|---|---|--------|--------|---------|--------|
| Mon | | | P&S ~ C102 | CO ~ C102 | | BE ~ C102 | | | | | | Lab DSA Gp All Groups ~ 315,316,317,320,321 | | | DIPP ~ A106 TPEE ~ C210 US ~ C21 ASM ~ B105 | | | | |
| Tue | | DSA ~ C102 | | CO ~ C102 | | | IIS ~ C216 | Tut CO All Groups ~ C02,C03,C12,C13,C22,C23,C24,LR1,LR2 | | | | Tut P&S All Groups ~ C02,C03,C12,C13,C22,C23,C24,LR1,LR2 | | | MB ~ A106 CIES ~ C11 NN ~ C213 STS ~ B105 CCS ~ C210 ST ~ A006 | | | | |
| Wed | | P&S ~ C102 | Tut DSA All Groups ~ C02,C03,C12,C13,C22,C23,C24,LR1,LR2 | | | | BE ~ C102 | | | | | Lab BE Gp 1/2/3/4/5 ~ 302,303,305 | | | Seminar ~ A007 | | | | |
| Thurs | | P&S ~ C102 | CO ~ C102 | | | BE ~ C102 | | | | | | DSA ~ C102 | | | DIPP ~ A106 TPEE ~ C210 US ~ C21 ASM ~ B105 | | | | |
| Fri | | IIS ~ C216 | | Lab IIS ~ 317 | | | Tut DSA All Groups ~ C208, C209, C212, C213, C214, C216, LR1, LR2 | | | | Lab BE Gp 6/7/8 ~ 302,303 | | | MB ~ A106 CIES ~ C11 NN ~ C213 STS ~ B105 CCS ~ C210 ST ~ A006 | | | | | |
| Day | 8:30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-01 | 01-01.30 | 01.30-02 | 02-02.30 | 02.30-03 | 03-03.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 |

Duration of the Lectures will be 50 mins and 80 mins

| Core/ Elective | Course Code | Course Name | Instructor | Credit | Acronym |
|------------------|-------------|---|--------------------------------------|--------|---------|
| Core for All | CSE102 | Data Structures & Algorithms | Subhabrata Samajder, Nupur (TF) | 4 | DSA |
| Core for All | CSE112 | Computer Organization | Prabhakar Mateti(V), Shreepriya (TF) | 4 | CO |
| Core for CSAI | CSE1xx | Introduction to Intelligent Systems | C Anantram(V) | 4 | IIS |
| Core for CSE+ECE | ECE113 | Basic Electronics | Vivek Bohara, Prashant Ranjan (TF) | 4 | BE |
| SSH Elective | ECO223 | Money and Banking(New) | kiriti Kanjilal | 4 | MB |
| Core for All | MTH201 | Probability & Statistics | Sanjit Kaul | 4 | P&S |
| SSH Elective | SOC205 | Anthropology and Social Media | Swati Mantri(V) | 4 | ASM |
| SSH Elective | SOC209 | Consumer Culture and Society(New) | Swati Mantri(V) | 4 | CCS |
| SSH Elective | SOC210 | Sociological Theory (New) | Gayatri Nair | 4 | ST |
| SSH Elective | SOC211 | Science, Technology and Society(New) | Shireen Mirza | 4 | STS |
| SSH Elective | SOC302 | Urban Sociology(New) | Smriti Singh | 4 | US |
| SSH Elective | SSH222 | Theory and Practice of Engineering Ethics | Shweta Singh(V) | 4 | TPEE |
| SSH Elective | SSH224 | Computer, Information Ethics and Society(New) | Shweta Singh(V) | 4 | CIES |
| SSH Elective | SSH261 | Democracy in India: Principles and Practices(New) | Praveen Priyadarshi | 4 | DIPP |
| SSH Elective | SSH215 | Nation and her Narratives(New) | Payel C Mukherjee(V) | 4 | NN |

B.Tech 1st Year(CSAM+CSB+CSSS+CSD) - Sec B- Winter Semester 2020

| Day | 8:30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-01 | 01-01.30 | 01.30-02 | 02-02.30 | 02.30-03 | 03-03.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 | |
|-----|--------------------|------------|------------|----------|------------|----------|----------|-------------------------------------|----------|----------|----------|----------|---|--|--------|--------|--------|---------|--------|---|
| Mon | Tut ISA Gp 1 ~ LR1 | | P&S ~ C101 | | CO ~ C101 | | | Tut CO Gp 6/7/8/9 ~ C22,C23,C24,C02 | | | | | Lab BE Gp 1/2/3 ~ 302,305 | | | | | | | DIPP ~ A106 TPEE ~ C210 US ~ C21 ASM ~ B105 |
| | | | | | | | | BE ~ C101 | | | | | Tut FOB ~ C02 | | | | | | | |
| Tue | | DSA ~ C101 | | | DDV ~ A106 | | | DDV Practice Session ~ A106 | | | | | | | | | | | | MB ~ A106 CIES ~ C11 NN ~ C213 STS ~ B105 CCS ~ C210 ST ~ A006 |
| | | | | | ISA ~ C210 | | | CTRSS ~ C210 | | | | | Tut DSA All Groups ~ C01,A006,C213,C214,C215,C216 | | | | | | | |
| Wed | Tut ISA Gp 2 ~ LR1 | | P&S ~ C101 | | CO ~ C101 | | | FOB ~ C212 | | | | | | Tut P&S All Groups ~ C02,C03,C12,C13,C22,C23,C24,LR1,LR2 | | | | | | Seminar ~ A007 |
| | | | | | | | | BE ~ C101 | | | | | | | | | | | | |
| Thu | Tut ISA Gp 3 ~ LR1 | | P&S ~ C101 | | CO ~ C101 | | | CTRSS ~ C210 | | | | | | | | | | | | DIPP ~ A106 TPEE ~ C210 US ~ C21 ASM ~ B105 |
| | | | | | | | | FOB ~ C212 | | | | | Lab DSA All Groups ~ 315,316,317,320,321 | | | | | | | |
| FRI | | DSA ~ C101 | | | DDV ~ A106 | | | DDV Practice Session ~ A106 | | | | | | Tut ISA Gp 4 ~ LR1 | | | | | | MB ~ A106 CIES ~ C11 NN ~ C213 STS ~ B105 CCS ~ C210 ST ~ A006 |
| | | | | | ISA ~ C210 | | | CTRSS ~ C210 | | | | | Tut CO Gp 1/2/3/4/5 ~ C22,C23,C24,C213,C214 | | | | | | | |
| | | | | | | | | Tut BE ~ C22,C23,C24 | | | | | | | | | | | | |

Duration of the Lectures will be 50 mins and 80 mins

| Core/ Elective | Course Code | Course Name | Instructor | Credit | Acronym |
|----------------|-------------|---|---|--------|---------|
| Core for CSB | BIO1xx | Foundations of Biology | Ganesh Bagler | 4 | FOB |
| Core for All | CSE102 | Data Structures & Algorithms | Arun Balaji, Bhawna (TF) | 4 | DSA |
| Core for All | CSE112 | Computer Organization | Naveen Prakash(V), Ishita Bajaj (TF) | 4 | CO |
| Core for CSD | DES101 | Design Drawing and Visualization | Indrani De Parkar(V)+ Vibha Narula Gupta(G) | 4 | DDV |
| Core for CSAM | ECE113 | Basic Electronics | Sanat K Biswas, Piyush Varshney (TF) | 4 | BE |
| SSH Elective | ECO223 | Money and Banking(New) | Kiriti Kanilal | 4 | MB |
| Core for All | MTH201 | Probability & Statistics | Acushla Saraswat(V) | 4 | P&S |
| Core for CSSS | SOC101 | Introduction to Sociology and Anthropology | Paro Mishra | 4 | ISA |
| SSH Elective | SOC205 | Anthropology and Social Media | Swati Mantri(V) | 4 | ASM |
| SSH Elective | SOC209 | Consumer Culture and Society(New) | Swati Mantri(V) | 4 | CCS |
| SSH Elective | SOC210 | Sociological Theory (New) | Gayatri Nair | 4 | ST |
| SSH Elective | SOC211 | Science, Technology and Society(New) | Shireen Mirza | 4 | STS |
| SSH Elective | SOC302 | Urban Sociology(New) | Smriti Singh | 4 | US |
| Core for CSSS | SSH101 | Critical Thinking and Readings in Social Sciences | Aasim Khan | 4 | CTRSS |
| SSH Elective | SSH222 | Theory and Practice of Engineering Ethics | Shweta Singh(V) | 4 | TPEE |
| SSH Elective | SSH224 | Computer, Information Ethics and Society(New) | Shweta Singh(V) | 4 | CIES |
| SSH Elective | SSH261 | Democracy in India: Principles and Practices(New) | Praveen Priyadarshi | 4 | DIPP |
| SSH Elective | SSH215 | Nation and her Narratives(New) | Payel C Mukherjee(V) | 4 | NN |

B.Tech. 2nd Year (CSE) - Winter Semester 2020

| Day | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5.30-6 |
|-------|--|---------|----------|---|----------|----------|------------|---------|--------|--------|--------|--------|---|--------|--------|----------------|--------|--------|
| Mon | IML ~ C21 | | | PCS ~ C21 AA-I ~ C11 | | | OS ~ C201 | | | | | | DBMS ~ C102 | | | GT ~ C02 | | |
| | | | | | | | | | | | | | | | | Tut PCS ~ LR1 | | |
| Tue | Tut IML All Groups ~ C22,C23,C24,C02,C03 | | | ADA ~ C01 | | | M-IV ~ C01 | | | | | | IQB ~ C201 | | | TOC ~ C01 | | |
| | Tut GT All Groups ~ C12, C13 | | | | | | | | | | | | | | | | | |
| Wed | IML ~ C21 | | | PCS ~ C21 AA-I ~ C11 | | | OS ~ C201 | | | | | | Tut DBMS All Groups ~ C209,C210,C211,C212,C213,C214,C215 | | | Seminar ~ A007 | | |
| | | | | | | | | | | | | | | | | | | |
| Thurs | IML ~ C21 | | | ADA ~ C01 | | | | | | | | | IQB ~ C201 | | | GT ~ C02 | | |
| | | | | | | | | | | | | | | | | | | |
| Fri | Tut OS All Groups ~ C11,C12 | | | Tut ADA All Groups ~ C02,C03,C22,C23,C24,C12,C13 | | | M-IV ~ C01 | | | | | | DBMS ~ C102 | | | TOC ~ C01 | | |
| | | | | | | | | | | | | | | | | | | |
| Day | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5.30-6 |

Duration of the Lectures will be 50 mins and 80 mins

| Core/ Elective | Course Code | Course Name | Instructor | Credits | Acronym |
|-------------------|-------------|---|------------------------------|---------|---------|
| Sci/Bio Elective | BIO213 | Introduction to Quantitative Biology | G P S Raghava | 4 | IQB |
| Core | CSE202 | Fundamentals of Database Management Systems | Mukesh Mohania, Ankita (TF) | 4 | DBMS |
| Core | CSE222 | Algorithm Design & Analysis | Syamantak Das , Ankita (TF) | 4 | ADA |
| Core | CSE231 | Operating Systems | Piyus Kedia, Shreepriya (TF) | 4 | OS |
| TOC/Math Elective | CSE322 | Theory of Computation | Debajyoti Bera | 4 | TOC |
| Sci/Bio Elective | ECE240 | Principles of Communication Systems | Ranjitha P | 4 | PCS |
| TOC/Math Elective | MTH204 | Maths IV - ODE/PDE | Brijesh Eshpuniyani(V) | 4 | M-IV |
| TOC/Math Elective | MTH300 | Introduction to Mathematical logic | Sankha Basu | 4 | IML |
| TOC/Math Elective | MTH310 | Graph Theory | Samaresh Chatterji(V) | 4 | GT |
| TOC/Math Elective | MTH212 | Abstract Algebra I | Sneha Chaubey | 4 | AA-I |

Note: Students are required to take all core courses and one TOC/Maths Elective and one Sci/Bio Elective or two TOC/Maths Elective

B.Tech. 2nd Year (ECE) - Winter Semester 2020

| Day | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 |
|-------|--|---------|----------|-----------------------------------|----------|----------|----------------------------------|----------|------------|------------|--------|----------|-------------------------------------|--------|----------------|--------|--------|
| Mon | IML ~ C21 | | | PCS ~ C21 | | | Tut IE All Groups ~ C12,C13,C03 | | | | | | F&W ~ A007 | | GT ~ C02 | | |
| Tue | Tut IML All Groups ~ C22,C23,C24,C02,C03 | | | IE ~ C21 | | | M-IV ~ C01 | | | | | | IQB ~ C201 | | | | |
| | Tut GT All Groups ~ C12, C13 | | | | | | | | | | | | | | | | |
| Wed | | | | PCS ~ C21 | | | Tut PCS All Groups ~ C12,C13,C03 | | | | | | Tut F&W All Groups ~ A106,B105,A006 | | Seminar ~ A007 | | |
| | | | | Tut M-IV All Groups ~ C22,C23,C24 | | | | | | | | | | | | | |
| Thurs | IML ~ C21 | | | Lab IE All Groups ~ 302,303 | | | | | | IQB ~ C201 | | GT ~ C02 | | | | | |
| Fri | | | | IE ~ C21 | | | M-IV ~ C01 | | F&W ~ A007 | | | | | | | | |
| Day | | | | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | | | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 |

Duration of the Lectures will be 50 mins and 80 mins

| Core/ Elective | Course Code | Course Title | Instructor | Credits | Accronym |
|------------------|-------------|--------------------------------------|---------------------------------|---------|----------|
| Sci/Bio Elective | BIO213 | Introduction to Quantitative Biology | GPS Raghava | 4 | IQB |
| Core | ECE214 | Integrated Electronics | Sujay Deb, Piyush Varshney (TF) | 4 | IE |
| Core | ECE230 | Fields and Waves | Sayak Bhattacharya | 4 | F&W |
| Core | ECE240 | Principles of Communication Systems | Ranjitha P | 4 | PCS |
| Core | MTH204 | Math IV (Differential Equations) | Brijesh Eshpuniyani(V) | 4 | M-IV |
| Sci/Bio Elective | MTH300 | Introdcution to Mathematical Logic | Sankha Basu | 4 | IML |
| Sci/Bio Elective | MTH310 | Graph Theory | Samaresh Chatterji(V) | 4 | GT |

Note: Students are required to take all core courses and one Sci/Bio Elective

B.Tech. 2nd Year (CSD) - Winter Semester 2020

| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 |
|-------|------------------------------|--------|----------------|----------|---|----------|----------|----------|--------------------------|--------|--------|--------|--------|--------|--------------------------------------|--------|---|---------|--------|
| Mon | Tut OS All Groups ~ C12 | | | | | | | | OS ~ C201 | | | | | | DBMS ~ C101 | | DIPP ~ A106 TPEE ~ C210 E1 ~ C11 GT ~ C02 | | |
| Tue | Tut GT All Groups ~ C12, C13 | | | | ALD ~ C11 | | | | M-IV ~ C01 | | | | | | | | ITS ~ C21 CIES ~ C11 NN ~ C213 TOC ~ C01 ME ~ C101 CCS ~ C210 MB ~ A106 | | |
| Wed | HCI ~ B105 | | | | | | | | OS ~ C201 | | | | | | Lab ALD All Groups ~ 315,317,320,321 | | Seminar ~ A007 | | |
| Thurs | Tut TOC ~ C201 | | Tut M-IV ~ C13 | | Tut DBMS All Groups ~ C22,C23,C24,C12,C13 | | | | Tut ALD Groups 1/2 ~ C02 | | | | | | | | DIPP ~ A106 TPEE ~ C210 E1 ~ C11 GT ~ C02 | | |
| Fri | HCI ~ B105 | | | | ALD ~ C11 | | | | M-IV ~ C01 | | | | | | DBMS ~ C101 | | ITS ~ C21 CIES ~ C11 NN ~ C213 TOC ~ C01 ME ~ C101 CCS ~ C210 MB ~ A106 | | |
| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 |

Duration of the Lectures will be 50 mins and 80 mins

| Mandatory/ Elective | Course Code | Course Name | Instructor | Crredits | Acronym |
|---------------------|-------------|--|--|----------|---------|
| Core | CSE2xx | Analysis and Design of Algorithms(B) | Debarka Sengupta, Nupur (TF), Bhawna Gupta (TF) | 4 | ALD |
| Core | CSE231 | Operating Systems | Piyus Kedia, Shreepriya (TF) | 4 | OS |
| Core | CSE202 | Fundamentals of Database Management Systems | Md Shad Akhtar, Nupur (TF) | 4 | DBMS |
| Math Elective | CSE322 | Theory of Computation | Debajyoti Bera | 4 | TOC |
| Core | DES304 | Human Computer Interaction | Grace Eden | 4 | HCI |
| SSH Elective | ECO101 | Microeconomics | Souvik Dutta | 4 | ME |
| Math Elective | MTH204 | Maths IV | Brijesh Eshpunyani(V) | 4 | M-IV |
| Math Elective | MTH310 | Graph Theory | Samaresh Chatterji(V) | 4 | GT |
| SSH Elective | SOC207 | Information Technology and Society | Amrit Srinivasan(V) | 4 | ITS |
| SSH Elective | SOC209 | Consumer Culture and Society(New) | Swati Mantri(V) | 4 | CCS |
| SSH Elective | SSH222 | Theory and Practice of Engineering Ethics | Shweta Singh(V) | 4 | TPEE |
| SSH Elective | SSH224 | Computer, Information Ethics and Society(New) | Shweta Singh(V) | 4 | CIES |
| SSH Elective | SSH261 | Democracy in India: Principles and Practices(New) | Praveen Priyadarshi | 4 | DIPP |
| SSH Elective | ECO221 | Econometrics 1 | Gaurav Arora | 4 | E1 |
| SSH Elective | ECO223 | Money and Banking(New) | Kiriti Kanjilal | 4 | MB |
| SSH Elective | SSH215 | Nation and her Narratives(New) | Payel C Mukherjee(V) | 4 | NN |

Note: Students are required to take all core courses and one Elective

B.Tech. 2nd Year (CSAM) - Winter Semester 2020

| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11:30 | 11.30-12 | 12-12.30 | 12:30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5.30-6 | |
|-------|--------|--|---------|----------|--|----------|----------|------------|---|--------|----------------|-------------|-------------|-----------|----------|------------|--------|-----------|--------|--|
| Mon | | IML ~ C21 | | | AA-I ~ C11 | | | | | | | | DBMS ~ C102 | | GT ~ C02 | | | | | |
| Tue | | Tut IML All Groups ~ C22,C23,C24,C02,C03 Tut GT All Groups ~ C12, C13 | | | ADA ~ C01 | | | M-IV ~ C01 | | | | | | | | IQB ~ C201 | | TOC ~ C01 | | |
| Wed | | Tut M-IV ~ C02,C03 | | | AA-I ~ C11 | | | | Tut AA-I Gp 1/2 ~ C211,C212 Tut DBMS All Groups ~ C209,C210,C211,C212,C213,C214,C215 Tut AA-I Gp 3 ~ C208 | | Seminar ~ A007 | | | | | | | | | |
| Thurs | | IML ~ C21 Tut TOC All Groups ~ C201 | | | ADA ~ C01 | | | | IQB ~ C201 | | GT ~ C02 | | | | | | | | | |
| Fri | | | | | Tut ADA All Groups ~ C02,C03,C22,C23,C24,C12,C13 | | | M-IV ~ C01 | | | | DBMS ~ C102 | | TOC ~ C01 | | | | | | |
| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11:30 | 11.30-12 | 12-12.30 | 12:30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5.30-6 | |

Duration of the Lectures will be 50 mins and 80 mins

| Core/ Elective | Course Code | Course Title | Instructor | Credit | Accronym |
|----------------|-------------|---|-----------------------------|--------|----------|
| Elective | BIO213 | Introduction to Quantitative Biology | G P S Raghava | 4 | IQB |
| Elective | CSE202 | Fundamentals of Database Management Systems | Mukesh Mohania, Ankita (TF) | 4 | DBMS |
| Core | CSE222 | Analysis and Design of Algorithms | Syamantak Das, Ankita (TF) | 4 | ADA |
| Core | CSE322 | Theory of Computation | Debajyoti Bera | 4 | TOC |
| Core | MTH204 | Math IV | Brijesh Eshpuniyani(V) | 4 | MIV |
| Core | MTH212 | Abstract Algebra I | Sneha Chaubey | 4 | AA-I |
| Elective | MTH300 | Introduction to Mathematical Logic | Sankha Basu | 4 | IML |
| Elective | MTH310 | Graph Theory | Samaresh Chaterji(V) | 4 | GT |

Note: Students are required to take all core courses and one Elective

B.Tech. 2nd Year (CSSS) - WinterSemester 2020

| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5.30-6 | 6-6.30 |
|-------|--------|--|---------|----------|---|----------|----------|---|---------|--------|--------|--------|--------------------------------------|--------|--------|---|--------|--------|--------|--------|
| Mon | | CP ~ A006 IML ~ C21 CPDE ~ C215 | | | | | | SSSE ~ C208 LM ~ C213 COP ~ A007 | | | | | DBMS ~ C101 | | | E1 ~ C11 DIPP ~ A106 TPEE ~ C210 GT ~ C02 US ~ C215 ASM ~ B105 | | | | |
| Tue | | Tut IML All Groups ~ C22,C23,C24,C02,C03 Tut GT All Groups ~ C12, C13 Lab AP ~ 317 | | | ALD ~ C11 | | | Tut ALD Gp 1/2 ~ C101 | | | | | IQB ~ C201 | | | CCS ~ C210 CIES ~ C11 NN ~ C213 TOC ~ C01 ITS ~ C21 ST ~ A006 STS ~ C214 MB ~ A106 | | | | |
| Wed | | AP ~ C212 AE ~ C209 VPM ~ A106 SP ~ A006 | | | | | | PT ~ C11 | | | | | Lab ALD All Groups ~ 315,317,320,321 | | | Seminar ~ A007 | | | | |
| Thurs | | CP ~ A006 IML ~ C21 CPDE ~ C215 Tut TOC ~ C201 | | | Tut DBMS All Groups ~ C22,C23,C24,C12,C13 | | | AW ~ C214 SSSE ~ C208 LM ~ C213 COP ~ A007 | | | | | IQB ~ C201 | | | E1 ~ C11 DIPP ~ A106 TPEE ~ C210 GT ~ C02 US ~ C215 ASM ~ B105 | | | | |
| Fri | | AP ~ C212 AE ~ C209 VPM ~ A106 SP ~ A006 | | | ALD ~ C11 | | | PT ~ C11 | | | | | DBMS ~ C101 | | | CCS ~ C210 CIES ~ C11 NN ~ C213 TOC ~ C01 ITS ~ C21 ST ~ A006 STS ~ C214 MB ~ A106 | | | | |

Duration of the Lectures will be 50 mins and 80 mins

| Mandatory/ Elective | Course Code | Course Name | Instructor | Crcredits | Acronym |
|---------------------|-------------|--|-------------------------------|-----------|---------|
| Elective | BIO213 | Introduction to Quantitative Biology | G P S Raghava | 4 | IQB |
| Core | CSE2xx | Analysis and Design of Algorithms(B) | Debarka Sengupta, Ankita (TF) | 4 | ALD |
| Core | CSE202 | Fundamentals of Database Management Systems | Md Shad Akhtar, Nupur (TF) | 4 | DBMS |
| Elective | CSE322 | Theory of Computation | Debajyoti Bera | 4 | TOC |
| SSH Elective | ECO221 | Econometrics 1 | Gaurav Arora | 4 | E1 |
| SSH Elective | ECO223 | Money and Banking(New) | Kiriti Kanjilal | 4 | MB |
| SSH Elective | MTH3xx | Convex Optimization(New) | Rakesh Chaturvedi | 4 | COP |
| SSH Elective | ECO324 | Spatial Statistics and Spatial Econometrics(New) | Gaurav Arora | 4 | SSSE |
| SSH Elective | ECO332 | Valuation and Portfolio Management | Pankaj Vajpayee(V) | 4 | VPM |
| Elective | MTH300 | Introduction to Mathematical logic | Sankha Basu | 4 | IML |

| | | | | | |
|---------------|--------|--|-------------------------|---|------|
| Elective | MTH310 | Graph Theory | Samaresh Chatterji(V) | 4 | GT |
| SSH Elective | PSY301 | Cognitive Psychology | Venkata Ratandeeep Suri | 4 | CP |
| SSH Elective | PSY302 | Social Psychology(New) | Venkata Ratandeeep Suri | 4 | SP |
| SSH Elective | PSY305 | Attention and Perception(New) | Sonia Baloni Ray | 4 | AP |
| SSH Elective | PSY306 | Learning and Memory(New) | Mrinmoy Chakrabarty | 4 | LM |
| SSH Elective | SOC205 | Anthropology and Social Media | Swati Mantri(V) | 4 | ASM |
| SSH Elective | SOC207 | Information Technology and Society | Amrit Srinivasan(V) | 4 | ITS |
| SSH Elective | SOC209 | Consumer Culture and Society(New) | Swati Mantri(V) | 4 | CCS |
| SSH Elective | SOC210 | Sociological Theory (New) | Gayatri Nair | 4 | ST |
| SSH Elective | SOC211 | Science, Technology and Society(New) | Shireen Mirza | 4 | STS |
| SSH Elective | SOC302 | Urban Sociology(New) | Smriti Singh | 4 | US |
| SSH Elective | SSH215 | Nation and her Narratives(New) | Payel C Mukherjee(V) | 4 | NN |
| SSH Elective | SSH222 | Theory and Practice of Engineering Ethics | Shweta Singh(V) | 4 | TPEE |
| LACH Elective | SSH224 | Computer, Information Ethics and Society(New) | Shweta Singh(V) | 4 | CIES |
| LACH Elective | SSH261 | Democracy in India: Principles and Practices(New) | Praveen Priyadarshi | 4 | DIPP |
| SSH Elective | SSH311 | Advanced Writing(New) | Payel C Mukherjee(V) | 2 | AW |
| LACH Elective | SSH321 | Applied Ethics | Manohar Kumar | 4 | AE |
| LACH Elective | SSH322 | Philosophy of Technology(New) | Nishad Patnaik | 4 | PT |
| LACH Elective | SSH361 | Comparative Politics in the Digital Era(New) | Aasim Khan | 4 | CPDE |

B.Tech. 2nd Year (CSB) - Winter Semester 2020

| Day | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 | | | |
|-------|--------------|-----------|----------|----------|-----------------------|----------|---------|--------|--------|--------|--------------------------------------|-------------|--------|---------------------------|--------|---------|--------|--|--|--|
| Mon | | PB ~ C211 | | | BE ~ C102 | | | | | | DBMS ~ C102 | | | | | | | | | |
| Tue | | ALD ~ C11 | | | Tut ALD Gp 1/2 ~ C101 | | | | | | | IQB ~ C201 | | Tut DBMS Gp 1/2 ~ C22,C23 | | | | | | |
| Wed | | PB ~ C211 | | | BE ~ C102 | | | | | | Lab ALD All Groups ~ 315,317,320,321 | | | Seminar ~ A007 | | | | | | |
| Thurs | Lab BE ~ 305 | | | | BE ~ C102 | | | | | | | IQB ~ C201 | | | | | | | | |
| Fri | | ALD ~ C11 | | | Tut BE ~ C02 | | | | | | | DBMS ~ C102 | | | | | | | | |
| Day | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 05-5.30 | 5.30-6 | | | |

Duration of the Lectures will be 50 mins and 80 mins

| Mandatory/ Elective | Course Code | Course Name | Instructor | Crredits | Acronym |
|---------------------|-------------|---|------------------------------------|----------|---------|
| Core | CSE2xx | Analysis and Design of Algorithms(B) | Debarka Sengupta | 4 | ALD |
| Core | CSE202 | Fundamentals of Database Management Systems | Md Shad Akhtar , Nupur (TF) | 4 | DBMS |
| Core | ECE113 | Basic Electronics | Vivek Bohara, Prashant Ranjan (TF) | 4 | BE |
| Core | BIO213 | Introduction to Quantitative Biology | G P S Raghava | 4 | IQB |
| Core | BIO2PB | Practical Bioinformatics(New) | Tavpritesh Sethi | 4 | PB |

B.Tech 3rd & 4th Year, M.Tech 1st & 2nd year, Ph.D - Winter Semester 2020

| Day | 8.30-9 | 9-9.30 | 9.30-10 | 10-10.30 | 10.30-11 | 11-11.30 | 11.30-12 | 12-12.30 | 12.30-1 | 1-1.30 | 1.30-2 | 2-2.30 | 2.30-3 | 3-3.30 | 3.30-4 | 4-4.30 | 4.30-5 | 5-5.30 | 5:30-6 | 6-6:30 | 6:30-7 | |
|-------|--------|---|--|--|--|----------|----------|--|---------|--------|--------|-----------------|---|--------|--------|--|--------|--------|--------|--------|---------------|--|
| Mon | | DL ~ C01 AAII ~ C213 CP ~ A006 CPDE ~ C215 NPDE ~ C214 SNSF ~ C216 AELD ~ C11 IML ~ C21 NSci ~ C212 ATD ~ C210 | | | CADD ~ C208 MCA ~ A007 VDF ~ A106 IR ~ A006 IFA ~ C210 MA5G ~ C209 I2D ~ 317 CMT ~ C214 | | | IMB ~ C209 Sweb ~ C21 SI ~ A006 OCS ~ C11 LM ~ C213 RFCD ~ C215 SSSE ~ 315 COP ~ A007 | | | | | DSG ~ C212 COT ~ C214 WARDI ~ C213 VHL ~ C210 SRU ~ C215 DW ~ C11 DIC ~ C216 | | | CRN ~ C209 WC ~ C213 GT ~ C02 BDA ~ C01 RS ~ C208 CMO ~ C214 E1 ~ C11 I3D ~ 317 US ~ C21 ASM ~ B105 STCV~C03 LVACD ~ C216 | | | | | | |
| Tue | | | Tut ANT ~ LR1 Lab AP ~ 317 Tut IML All Groups ~ C22,C23,C24,C02,C03 Tut GT All Groups ~ C12, C13 RM ~ C201 | | BDMH ~ C101 IDS ~ C209 MLTRC ~ C215 MDT ~ A006 ATHCC ~ C208 PSOSM ~ C201 WN ~ A007 ANT ~ C216 | | | MLN ~ A007 SSP ~ A006 PGM ~ C212 NS ~ C11 A&G ~ B105,317 ALA ~ C214 | | | | | BST ~ C208 AFC ~ C11 SE ~ C210 ITA ~ C209 SSD ~ C21 FPP ~ A006 SCN ~ B105 AAG ~ A106 | | | TAS ~ C208 STS ~ B105 DG ~ C216 IPDE ~ C24 EIITM ~ C212 TOC ~ C01 ME ~ C101 ITS ~ C21 GDD ~ 317 ST ~ A006 Lab AELD ~ A617 | | | | | | |
| Wed | | | | SML ~ C21 SP ~ A006 VPM ~ A106 SADRE ~ A007 ICN ~ C208 AP ~ C212 IQC ~ C210 AE ~ C209 MSD ~ C214 | CADD ~ C208 MCA ~ A007 VDF ~ C01 IR ~ A006 IFA ~ C210 MA5G ~ C209 I2D ~ C317 CMT ~ C214 | | | EAI ~ B105 SC ~ C215 LO ~ A007 PT ~ C11 DP ~ A006 | | | | Faculty Meeting | | | | Seminar ~ A007 | | | | | | |
| Thurs | | DL ~ C01 AAII ~ C213 CP ~ A006 CPDE ~ C215 NPDE ~ C214 SNSF ~ C216 IML ~ C21 NSci ~ C212 ATD ~ C210 | | | MLN ~ A007 SSP ~ A006 PGM ~ C212 NS ~ C11 A&G ~ B105,317 ALA ~ C214 | | | IMB ~ C209 Sweb ~ C21 SI ~ A006 OCS ~ C11 LM ~ C213 RFCD ~ C215 SSSE ~ C208 COP ~ A007 AW ~ C214 | | | | | DSG ~ C212 COT ~ C214 WARDI ~ C213 VHL ~ C210 SRU ~ C215 DW ~ C11 DIC ~ C216 | | | CRN ~ C209 WC ~ C213 GT ~ C02 BDA ~ C01 RS ~ C208 CMO ~ C214 E1 ~ C11 I3D ~ 317 US ~ C21 ASM ~ B105 STCV~C03 LVACD ~ C216 | | | | | | |
| Fri | | SML ~ C21 SP ~ A006 VPM ~ A106 SADRE ~ A007 ICN ~ C208 AP ~ C212 IQC ~ C210 AE ~ C209 MSD ~ C214 | | | BDMH ~ C101 IDS ~ C209 MLTRC ~ C215 MDT ~ A006 ATHCC ~ C208 PSOSM ~ C201 WN ~ A007 ANT ~ C216 | | | EAI ~ B105 SC ~ C215 LO ~ A007 PT ~ C11 DP ~ A006 | | | | | BST ~ C208 AFC ~ C11 SE ~ C210 ITA ~ C209 SSD ~ C21 FPP ~ A006 SCN ~ B105 AAG ~ A106 | | | TAS ~ C208 STS ~ B105 DG ~ C216 IPDE ~ C24 EIITM ~ C212 TOC ~ C01 ME ~ C101 ITS ~ C21 GDD ~ 317 ST ~ A006 | | | | | Lab FPP ~ 317 | |

Duration of the Lectures will be 50 mins and 80 mins

| Course Code | Course Name | Instructor | Credits | Acronym |
|---------------|---|---|---------|---------|
| BIO531 | Introdcutio to Mathematical Biology | Sriram K | 4 | IMB |
| BIO543 | Big Datamining in Healthcare | G P S Raghava | 4 | BDMH |
| BIO541 | Data Sciences for Genomics | Vibhor Kumar | 4 | DSG |
| BIO534 | Introduction to Computational Neuroscience | Sriram K | 4 | ICN |
| BIO5xx | Computer Aided Drug Design(New) | Arjun Ray | 4 | CADD |
| BIO545 | Biostatistics(New) | Gaurav Ahuja | 4 | BST |
| CSE322 | Theory of Computation | Debajyoti Bera | 4 | TOC |
| CSE342/CSE542 | Statistical Machine Learning | A V Subramanyam | 4 | SML |
| CSE352/CSE552 | Security Engineering | Sambuddho Chakravarty | 4 | SE |
| CSE350/CSE550 | Network Security | B N Jain(V) | 4 | NS |
| CSE502 | Foundations of Parallel Programming | Vivek Kumar | 4 | FPP |
| CSE508 | Information Retrieval | Tanmoy Chakraborty | 4 | IR |
| CSE538/ECE538 | Wireless Networks | Mukulika Maity | 4 | WN |
| CSE559 | Mining Large Networks(New) | Tanmoy Chakraborty | 4 | MLN |
| CSE561 | Probabilistic Graphical Models | Anubha Gupta | 4 | PGM |
| CSE563 | Multimedia Computing and Applications | Rajiv Rathn Shah | 4 | MCA |
| CSE581 | Systems Analysis, Design and Requirements Engineering | Rahul Mohanani | 4 | SADRE |
| CSE529 | Approximation Algorithms | Syamantak Das | 4 | AAG |
| CSE606 | Data Warehousing | Naveen Prakash(V) | 4 | DW |
| CSE609 | Statistical Computation | Vibhor Kumar | 4 | SC |
| CSE622 | Introduction to Quantum Computing | Debajyoti Bera | 4 | IQC |
| CSE632 | Semantic Web | Raghava Mutharaju | 4 | Sweb |
| CSE641 | Deep Learning | Saket Anand | 4 | DL |
| CSE648 | Privacy and Security in Online Social Media | Ponnurangam Kumaraguru | 4 | PSOSM |
| CSE651A | Topics in Adaptive Security(New) | Arun Balaji | 2 | TAS |
| CSE5xx | Big Data Analytics | Vikram Goyal | 4 | BDA |
| CSE5xx | Affective Computing(New) | Jainendra Shukla | 4 | AFC |
| CSE5xx | Distributed Computing(New) | Prabhaker Mateti(V) | 4 | DIC |
| CSE5xx | Decision Procedures(New) | Rahul Purandare | 4 | DP |
| CSE5xx | Network Science | Ganesh Bagler | 4 | Nsci |
| CSE5xx | Edge AI(New) | Mahesh Babu A K(G) | 4 | EAI |
| CSE5xx | Special Topics in Computer Vision(New) | Koteswar Rao Jerripothula | 2 | STCV |
| DES302 | Animation & Graphics | Manohar Khushalani (V) | 4 | A&G |
| DES512 | Game Design and Development | Aman Samuel(G) | 4 | GDD |
| DES513 | Wearable Applications, Research, Devices, Interactions | Aman Parnami | 4 | WARDI |
| DES5xx | Introduction to 3D Character Animation | Anoop Ratn(V) | 4 | I3D |
| DES5xx | Advanced Topics in Human Centered Computing(New) | Pushpendra Singh | 4 | ATHCC |
| DES5xx | Sketching Communication Narrative(New) | Indrani De Parkar(V)+ Vibha Narula Gupta(G) | 4 | SCN |

Will be offered post mid sems

Will be offered post mid sems

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|---------------|--|-----------------------------------|---|-------|
| DES5xx | Introduction to 2D Animation(New) | Anoop Ratn(V) | 4 | I2D |
| ECE318/ECE518 | Solid State Devices | G.S. Visweswaran(V) | 4 | SSD |
| ECE321/ECE521 | RF Circuit Design | Sudhanshu Shekhar Jamuar | 4 | RBCD |
| ECE431/ECE631 | Antenna Theory and Design | Shobha Sundaram | 4 | ATD |
| ECE432/ECE632 | Radar Systems | Shobha Sundaram | 4 | RS |
| ECE452/ECE552 | Statistical Signal Processing | Pravesh Biyani | 4 | SSP |
| ECE513 | VLSI Design Flow | Sneh Saurabh | 4 | VDF |
| ECE533 | Satellite Navigation and Sensor Fusion | Sanat K Biswas | 4 | SNSF |
| ECE534 | Optical Communication Systems | Anand Srivastava | 4 | OCS |
| ECE537 | Wireless Communication: Evolution from 3G to 5G | Vivek Bohara | 4 | WC |
| ECE557 | Speech Recognition and Understanding | Pravesh Biyani | 4 | SRU |
| ECE573 | Advanced Embedded Logic Design | Sumit Darak, Prashant Ranjan (TF) | 4 | AELD |
| ECE577 | Machine Learning Techniques for Real-time Control | Sayan Basu Roy | 4 | MLTRC |
| ECE611 | Memory Design and Testing | Anuj Grover | 4 | MDT |
| ECE612 | Mixed Signal Design | G.S. Visweswaran(V) | 4 | MSD |
| ECE5xx | Modeling and Analysis of Random 5G Networks | Gourab Ghatak | 4 | MA5G |
| ECE5xx | Verification and High-Level Synthesis of VLSI Designs(New) | Sumit Mediratta(V) | 4 | VHL |
| ECE5xx | Low Voltage Analog Circuit Design (New) | Sudhanshu Shekhar Jamuar | 4 | LVACD |
| ECO101 | Microeconomics | Souvik Dutta | 4 | ME |
| ECO221 | Econometrics I | Gaurav Arora | 4 | E1 |
| MTH3xx | Convex Optimization(New) | Rakesh Chaturvedi | 4 | COP |
| ECO324/ECO524 | Spatial Statistics and Spatial Econometrics(New) | Gaurav Arora | 4 | SSSE |
| ECO332 | Valuation and Portfolio Management | Pankaj Vajpayee(V) | 4 | VPM |
| ENG599s | Research Methods | Payel C Mukherjee(V) | 2 | RM |
| MGT311 | Emerging Issues in IT Management | Sanjiva Dubey(G) | 4 | EIITM |
| MTH300 | Introduction to Mathematical Logic | Sankha Basu | 4 | IML |
| MTH310 | Graph Theory | Samaresh Chatterji(V) | 4 | GT |
| MTH343/MTH543 | Introduction to Dynamical Systems | Shilpak Banerjee | 4 | IDS |
| MTH372 | Statistical Inference | Monika Arora | 4 | SI |
| MTH374/MTH574 | Linear Optimization | Rajiv Raman | 4 | LO |
| MTH507 | Computability Theory(New) | Sankha Basu | 4 | CMT |
| MTH510 | Advanced Linear Algebra | Samrith Ram | 4 | ALA |
| MTH513 | Abstract Algebra-II | Anuradha Sharma | 4 | AAII |
| MTH516 | Analytic Number Theory(New) | Debika Banerjee | 4 | ANT |
| MTH542 | Introduction to Functional Analysis | Ashish Kumar Pandey | 4 | IFA |
| MTH571 | Integral Transforms and their applications | Sarthok Sircar | 4 | ITA |
| MTH598 | Numerical Partial Differential Equations | Kaushik Kalyanaraman | 4 | NPDE |
| MTH514 | Coding Theory(New) | Anuradha Sharma | 4 | COT |
| MTH517 | Combinatorial Optimization(New) | Rajiv Raman | 4 | CMO |
| MTH544 | Calculus in R^N (New) | Kaushik Kalyanaraman | 4 | CRN |
| MTH550 | Introduction to PDE(New) | Brijesh Eshpuniyani(V) | 4 | IPDE |

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|--------|--|-------------------------|---|------|
| MTH563 | Differential Geometry(New) | Acushla Sarswat(V) | 4 | DG |
| PSY301 | Cognitive Psychology | Venkata Ratandeeep Suri | 4 | CP |
| PSY302 | Social Psychology(New) | Venkata Ratandeeep Suri | 4 | SP |
| PSY305 | Attention and Perception(New) | Sonia Baloni Ray | 4 | AP |
| PSY306 | Learning and Memory(New) | Mrinmoy Chakrabarty | 4 | LM |
| SOC205 | Anthropology and Social Media | Swati Mantri(V) | 4 | ASM |
| SOC207 | Information Technology and Society | Amrit Srinivasan(V) | 4 | ITS |
| SOC210 | Sociological Theory (New) | Gayatri Nair | 4 | ST |
| SOC211 | Science, Technology and Society(New) | Shireen Mirza | 4 | STS |
| SOC302 | Urban Sociology(New) | Smriti Singh | 4 | US |
| SSH311 | Advanced Writing(New) | Payel C Mukherjee(V) | 2 | AW |
| SSH321 | Applied Ethics | Manohar Kumar | 4 | AE |
| SSH322 | Philosophy of Technology(New) | Nishad Patnaik | 4 | PT |
| SSH361 | Comparative Politics in Digital Era(New) | Aasim Khan | 4 | CPDE |